

CALL FOR APPLICATION 2014-15 **MASTER 2 ATIAM**

Acoustics, Signal Processing, and Computer Science Applied to Music
a multidisciplinary Master's Degree program in Science and Technology

Pierre and Marie Curie University (UPMC)
in collaboration with Télécom ParisTech and IRCAM

PROGRAM OBJECTIVES

The scientific and musical knowledge acquired during the ATIAM Program enables participants to pursue research in the fields of musical acoustics, signal processing, and computer music.

DIPLOMA

UPMC's Science and Technology Master's degree, with a specialization in Computer or Engineering Science and a special mention «ATIAM»

PROFILE

Students at the Master 1 level or equivalent (engineering school, foreign programs, etc.)

PROSPECTS

Students continue their studies in PhD programs, go on to work in private or public research facilities, create their own businesses, are involved in artistic projects.

APPLICATIONS ACCEPTED

from May 27th to June 25th 2014

www.atiam.ircam.fr

INTERVIEWS

July 2nd 2014

Contact - Coordination ATIAM

Ircam - 1, place Igor Stravinsky - 75004 Paris

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MULTIDISCIPLINARY TEACHING

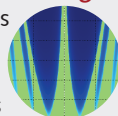
Acoustics

Acoustics and vibrations applied to musical instruments and sound phenomena



Signal Processing

Analysis-synthesis processing and audio/symbolic music information retrieval techniques



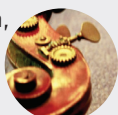
Computer Science

Architectures, formats, languages, algorithms, mathematical models



Applied to Music

Sound and Music Perception, Computational Musicology, Music and Science after 1945



TEACHING UNIT COORDINATORS

Carlos Agon **Music Informatics**

Moreno Andreatta **Basics for ATIAM**

Bertrand David **Musical Signal Processing**

Benoit Fabre **Musical Acoustics**

Emmanuel Saint-James **Interdisciplinary Projects**

Isabelle Viaud-Delmon **Employability of ATIAM's Master students**